

SINAMICS POWER-BLOCK REPAIR PARTS

Product Data Sheet

A5E00714561

IGBT converter driver board

FUNCTION	FAMILY	ORIGIN	WEIGHT
IGBT converter driver board	SINAMICS power-block repair parts	Germany	2.05 kg

Siemens SINAMICS A5E00714561 is a IGBT converter driver board for the SINAMICS power-block repair parts. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	IGBT converter driver
Drive Family	SINAMICS power converters
Primary Function	Controls FS300R12KE3 switching
Power Architecture	IGD2/R4 power-block stage
Voltage Class	1,200 V semiconductor class
Current Rating	300 A nominal current
Control Supply	+15 V / -8 V gate supply
Power Section	Inverter power section
Mechanical Design	FS300R12KE3 board assembly
Electrical Interface	Internal IGBT gate leads

ADDITIONAL PRODUCT DATA

Cooling Integration	Baseplate-cooled module
Board Designation	A5E00714561 IGD2/R4
Service Role	380 A repair-part family
Product Status	Discontinued Siemens spare
Commissioning Check	Check IGBT seating and torque

OFFICIAL APPLICATIONS

- Apply the IGBT converter driver board: Use A5E00714561 for controls fs300r12ke3 switching only after confirming the installed drive family, exact section and electrical class.
- Match the 1,200 V semiconductor class hardware: Compare the full nameplate, connector positions, board designation, power-device rating and cooling arrangement before replacement.
- Validate the repaired drive section: Check IGBT seating and torque. Review drive diagnostics and test the affected motor, line or braking function under the approved commissioning procedure.

SYSTEM COMPATIBILITY

Match A5E00714561 to the installed SINAMICS power-block repair parts, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens Industry Mall and applicable drive documentation](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/A5E00714561>

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